

FW: Approval to Replace the Drainage Swale Behind the Berm along the Elizabeth River banks

Sturgeon, Randy

Fri 11/15/2013 3:10 PM

Sent Items

To: (b) (4) @gmail.com>;

Cc: Johnson, Joan-A <Johnson.Joan-A@epa.gov>;

Dwight, pls see the email below regarding EPA's approval of a pipe being installed in the swale behind the berm. EPA has reviewed a number plans in detail and made a number of comments that have been addressed.

Currently the final plans have not been made public as it is my understanding that Portsmouth has not started its review process yet. If you have questions or wish to discuss PER's plan, I would suggest you contact the civil engineer on the project, Mr. (b) (4) of Gallup Surveyors and Engineers. Gallup's phone number is 757-428-8132.

As always, if you have any questions or comments, pls let me know.

Thx, Randy

From: Sturgeon, Randy

Sent: Friday, November 15, 2013 3:03 PM

To: (b) (4)

Cc: (b) (4); Johnson, Joan-A; 'Evans, Chris (DEQ)'

Subject: Approval to Replace the Drainage Swale Behind the Berm along the Elizabeth River banks

(b) (4),

As you are aware, as part of your development of the 3991 Elm Ave property, PER has to address the surface water drainage from 3975 Elm Ave that crosses its land. Currently this water gets to the river through a swale constructed by EPA along with a berm that blocked surface water from both 3975 and 3991 Elm Ave from getting to the river (it now all goes through the swale). This construction was part of the Atlantic Wood Industries Superfund site cleanup. A number of months ago, PER stated that it wanted to replace the swale with a pipe. EPA communicated that it wanted to review PER's drainage plan as it pertains to the drainage of 3975 Elm Ave to ensure that in EPA's view adequate drainage of 3975 Elm was being provided before EPA gave approval for PER to replace the EPA-constructed swale with a pipe. PER has made several plans and has always addressed EPA's comments.

On 10/19/2013, PER submitted its most recent drainage plan. PER also submitted a pre-development comparison on 11/11/2013. Based on EPA's review, EPA approves the replacement of the swale with the planned pipe. The drainage plan incorporates a larger drainage area from 3975 Elm than earlier plans based on discussions that Pete Pellissier of EA Engineering, Science and Technology (EPA contractor) had Mr. (b) (6) on 9/24/13 during a site visit. The proposed ditch and pipe along the N/S property line will keep the 100-year storm

within its banks/pipe and handles the water better than the current ditch between the properties does today.

The pipe that will replace the ditch behind the berm is adequately sized to handle the 100-year storm and if the tide is low, there will be no ponding on Mr. (b) (6) property. A tide valve will be installed on the end of the pipe. The pipe size behind the retaining wall is mostly 30" in diameter, with the northern section being 12" diameter and the size of the pipe replacing the lined drainage swale is 36" diameter. Both pipes are constructed of HDPE.

EPA requests that the liner in the swale be removed before pipe is installed.

EPA's approval is contingent upon PER complying with the plan submitted on 10/19/2013. If for some reason PER has to make changes, please consult with EPA. EPA continues to suggest that PER develop an easement for the drainage from 3975 Elm Ave.

Thank you for your cooperation in this matter.

Randy

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